



2661-101 - Amended
SEQUENCE LISTING

<110> GILCHRIST, ANNETTE
HAMM, HEIDI

<120> METHOD FOR IDENTIFYING MODULATORS OF G PROTEIN COUPLED RECEPTOR
SIGNALING

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<140> US 09/852910

<141> 2001-05-11

<150> US 60/275472

<151> 2001-03-14

<160> 271

<170> PatentIn version 3.2

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<211> 11

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<213> Artificial sequence

<220>

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<400> 136

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<210> 137

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<400> 137

Ile	Arg	Glu	Asn	Leu	Glu	Asp	Cys	Gly	Leu	Phe
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Ile Ile Asp Asn Leu Lys Asp Cys Gly Leu Phe
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<211> 11

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Met Arg Glu Ser Leu Lys Asp Cys Gly Leu Phe
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Ile Arg Asn Asn Leu Lys Arg Tyr Gly Met Phe
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 1 5 10

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Glu Val Arg Arg
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Arg Val Gln
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Arg Leu Thr Arg
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Ser Arg Lys
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Met Leu Asn
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Leu Gln Leu Arg Tyr Lys Cys Tyr Asn Leu Val
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<400> 162

Val His Val Lys Leu Lys Glu Tyr Asn Leu Val
1 5 10

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<400> 163

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Leu Gln Leu Asn Val Lys Glu Tyr Asn Leu Val
1 5 10

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Leu Arg Ile Tyr Leu Lys Gly Tyr Asn Leu Val
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Ser Ile Arg
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Arg Trp Ile Val
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Gly Gly His
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Arg Ser Glu Val
1

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Cys Glu Pro Gly
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His Gln Met Ala
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Val Pro Ser Pro
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Gln Met Pro Asn
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Met Trp Pro Ser
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Cys val Glu
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Leu Gln Leu Asn Leu Lys Val Tyr Asn Leu Val
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Leu His Leu Asn Met Ala Glu Val Ser Leu Val
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Phe Phe Trp Val
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Gln Arg Asp Thr
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Asn Phe Arg Asn
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<211> 11

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Cys Ser Leu Lys Leu Lys Ala Tyr Asn Leu Val
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<211> 11

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 1 5 10

<210> 189

<211> 11

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Pro Arg Pro Arg Leu Leu Arg Phe Lys Ile Pro
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Gln Gly Glu His Leu Arg Gln Leu Gln Leu Gln
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Gln Arg Leu Arg Leu Gly Pro Asp Glu Leu Phe
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Gln Arg Ile His Arg Arg Pro Phe Lys Phe Phe

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Gln Arg Met Pro Leu Arg Leu Phe Glu Phe Leu
1 5 10

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Gln Arg Val His Leu Arg Gln Asp Glu Leu Leu
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Gln Arg Met Pro Leu Arg Gln Tyr Glu Leu Leu
1 5 10

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Gln Arg Met Asn Leu Gly Pro Cys Gly Leu Leu
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Gln Arg Leu Arg Leu Arg Lys Tyr Arg Leu Phe
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Met Leu Asp Asn Leu Lys Ala Cys Gly Leu Phe
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Ile Leu Glu Asn Leu Lys Asp Cys Gly Leu Phe
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Leu Arg Glu Asn Leu Lys Asp Cys Gly Leu Leu
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Leu Leu Asp Ile Leu Lys Asp Cys Gly Leu Phe
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Val Arg Asp Ile Leu Lys Asp Cys Gly Leu Phe
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Ile Leu Glu Ser Leu Asn Glu Cys Gly Leu Phe
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Ile Leu Gln Asn Leu Lys Asp Cys Gly Leu Phe
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1 5

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Ile Cys Glu Asn Leu Lys Asp Cys Gly Leu Phe
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Ile Val Lys Asn Leu Glu Asp Cys Gly Leu Phe
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Ile Ser Lys Asn Leu Arg Asp Cys Gly Leu Leu
1 5 10

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Ile Arg Asp Asn Leu Lys Asp Cys Gly Leu Phe
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 1 5 10

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Pro Arg Asp Asn Thr Lys Val Arg Gly Leu Phe
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Phe Trp Gly Asn Leu Gln Asp Ser Gly Leu Phe
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<210> 224

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<400> 224

Arg Arg Gly Asn Gly Lys Asp Cys Arg His Phe
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<210> 225

<211> 11

<212> PRT

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<223> G12 library peptide

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Leu Gln Glu Asn Leu Lys Glu Met Met Leu Gln
1 5 10

<210> 226

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> G12 library peptide

<400> 226

Leu Glu Glu Asn Leu Lys Tyr Arg Met Leu Asp
1 5 10

<210> 227

<211> 11

<212> PRT

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<220>

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<400> 227

Leu Gln Glu Asp Leu Lys Gly Met Thr Leu Gln
1 5 10

<210> 228

<211> 11

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<400> 228

Leu Gln Glu Thr Met Lys Asp Gln Ser Leu Gln
1 5 10

<210> 229

<211> 11

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<400> 229

Pro Gln Val Asn Leu Lys Ser Ile Met Arg Gln
1 5 10

<210> 230

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> G12 library peptide

<400> 230

Trp Gln His Lys Leu Ser Glu Val Met Leu Gln
 1 5 10

<210> 231

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> G12 library peptide

<400> 231

Leu Lys Glu His Leu Met Glu Arg Met Leu Gln
 1 5 10

<210> 232

<211> 11

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<213> Artificial Sequence

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<223> G12 library peptide

<400> 232

Leu Leu Gly Met Leu Glu Pro Leu Met Glu Gln
 1 5 10

<210> 233

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> G13 library peptide

<400> 233

Leu Gln Asp Asn Leu Lys Gln Leu Met Leu Gln
 1 5 10

<210> 234

<211> 11

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<213> Artificial Sequence

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<223> G13 library peptide

<400> 234

Leu Gln Asp Asn Leu Arg His Leu Met Leu Gln

1 5

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<400> 235

Leu Gln Asp Lys Ile Asn His Leu Met Leu Gln
1 5 10

<210> 236
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 236

Leu Gln Ala Asn Arg Lys Leu Gly Met Leu Gln
1 5 10

<210> 237
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<213> Artificial Sequence

<220>
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<400> 237

Leu Ile Val Lys Val Lys Gln Leu Ile Trp Gln
1 5 10

<210> 238
<211> 11
<212> PRT
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<400> 238

Met Arg Ala Lys Leu Asn Asn Leu Met Leu Glu
1 5 10

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<210> 239
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<400> 239

Leu Gln Asp Asn Leu Arg His Leu Ile Gln
 1 5 10

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Leu Gln Asp Asn Arg Asn Gln Leu Leu Phe
 1 5 10

<210> 241
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<400> 241

Leu Gln Leu Asn Arg Lys Asn Tyr Asn Leu Val
 1 5 10

<210> 242
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<400> 242

Leu Gln Leu Asp Leu Lys Glu Ser Asn Met Val
 1 5 10

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Leu Gln Leu Asn Leu Lys Lys Tyr Asn Arg Val
1 5 10

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Leu Gln Leu Arg Val Lys Glu Tyr Lys Arg Gly
1 5 10

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<223> G11 library peptide

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Leu Gln Ile Tyr Leu Lys Gly Tyr Asn Leu Val
1 5 10

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<211> 11

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Leu Gln Tyr Asn Leu Lys Glu Ser Phe Val Val
1 5 10

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Leu Gln Arg Asp His Val Glu Tyr Lys Leu Phe
1 5 10

<210> 248

<211> 11

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<213> Artificial Sequence

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Leu Val Ile Lys Pro Lys Glu Phe Asn Leu Val
1 5 10

<210> 249

<211> 11

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<400> 249

Ile Gln Leu Asn Leu Lys Asn Tyr Asn Ile Val
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<400> 250

Met Gln Leu Asn Leu Lys Glu Tyr Asn Leu Val
1 5 10

<210> 251

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> G11 library peptide

2661-101 - Amended

<400> 251

Val Gln Val Lys Leu Lys Glu Tyr Asn Leu Val
1 5 10

<210> 252

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> G11 library peptide

<400> 252

Gln Leu Leu Asn Gln Tyr Val Tyr Asn Leu Val
1 5 10

<210> 253

<211> 11

<212> PRT

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<220>

<223> G11 library peptide

<400> 253

Trp Arg Leu Ser Leu Lys Val Tyr Asn Leu Val
1 5 10

<210> 254

<211> 11

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<223> G11 library peptide

<400> 254

Leu Gln Arg Asn Lys Asn Gln Tyr Asn Leu Gly
1 5 10

<210> 255

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> G11 library peptide

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Leu Tyr Leu Asp Leu Lys Glu Tyr Cys Leu Phe

1 5

<210> 256
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<400> 256

Ser Ala Lys Glu Leu Asp Gln Tyr Asn Leu Gly
1 5 10

<210> 257
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> G11 library peptide

<400> 257

Leu Phe Leu Asn Leu Lys Glu Tyr Ser Leu Val
1 5 10

<210> 258
<211> 11
<212> PRT
<213> Artificial Sequence

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<400> 258

Leu Glu Leu Asn Leu Lys Val Tyr Asn Leu Val
1 5 10

<210> 259
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> G11 library peptide

<400> 259

Leu Pro Leu Asn Leu Ile Asp Phe Ser Leu Met
1 5 10

2661-101 - Amended

<210> 260
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<220>
 <223> G11 library peptide

<400> 260

Leu Pro Arg Asn Leu Lys Glu Tyr Asp Leu Gly
 1 5 10

<210> 261
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> G11 library peptide

<400> 261

Leu Arg Leu Asn Asp Ile Glu Ala Leu Leu Val
 1 5 10

<210> 262
 <211> 11
 <212> PRT
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<220>
 <223> G11 library peptide

<400> 262

Leu Val Leu Asn Arg Ile Glu Tyr Asn Leu Leu
 1 5 10

<210> 263
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 263

Leu Lys Arg Lys Leu Lys Glu Ser Asn Met Gly
 1 5 10

<210> 264
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<223> G11 library peptide

<400> 264

Leu Lys Arg Lys Val Lys Glu Tyr Asn Leu Gly
1 5 10

<210> 265

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Reverse primer

<400> 265

gaaaatcttc tctcatccg

19

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<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Gt library peptide

<400> 266

Ile Leu Glu Asn Leu Lys Asp Cys Gly Leu Leu
1 5 10

<210> 267

<211> 9

<212> DNA

<213> Homo sapiens

<400> 267

gccgccacc

9

<210> 268

<211> 57

<212> DNA

<213> Artificial Sequence

<220>

<223> Gi alpha 1/2 carboxy terminal sequence oligonucleotide

<400> 268

gatccgccgc caccatggga atcaagaaca acctgaagga ctgcggcctc ttctgaa

57

<210> 269

<211> 57

2661-101 - Amended

<212> DNA
 <213> Artificial Sequence

<220>
 <223> complementary strand to Gi alpha 1/2 oligonucleotide

<400> 269
 agctttcaga agaggccgca gtccttcagg ttgttcttga ttcccatggt ggcggcg 57

<210> 270
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> forward primer for G alpha carboxyl terminal peptide insert

<400> 270
 atccgccgcc accatggga 19

<210> 271
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> reverse primer for G alpha carboxyl terminal peptide insert

<400> 271
 gcgaaaggag cggggacgcta 20